



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
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DENVER, CO 80202-2466
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October 31, 2002

Mr. Rodney Dansie
7005 W 13090 S
Herriman, UT 84065

Dear Mr. Dansie:

As an owner of agricultural land or back lots in the Herriman area, that may contain elevated concentrations of lead and arsenic in soil, you may have been contemplating some form of soil remediation to address this issue. Two possible types of remediation could be considered: (1) deep tilling; or (2) contaminated soils removal.

Deep Tilling consists of mixing soil layers mechanically. Kennecott Utah Copper Corporation (Kennecott) has offered for a limited time, to arrange for deep tilling at a reasonable cost. This means the owner would pay the same rate as Kennecott is able to negotiate for the tilling equipment and operator, if the property owner were to choose this mention of remediation.

Theoretically, after tilling, lead and arsenic concentrations would be evenly distributed through the 0 - 12 inch soil horizon. However, depending on the degree of the elevated concentrations and depths of those elevated concentrations, deep tilling may not be an effective method and may leave "hotspots" in areas. If your soils indicate elevated concentrations of lead and arsenic to a depth of 12 inches or deeper, then deep tilling is not a satisfactory method of remediation. You may want to consider using an alternative remediation method and remove the contaminated soil to an appropriate storage repository.

To assist those owners whose property is not amenable to deep tilling, Kennecott Utah Copper Corporation is also offering to accept elevated lead and arsenic contaminated soils excavated from Herriman area properties. The soils would be disposed in Kennecott's Bluewater I Repository. The Bluewater I Repository is a permitted, lined storage facility constructed to store soils contaminated with heavy metals from historic mining activities. Kennecott is offering to allow disposal of the soils at no charge for the disposal in the repository. The cost of removing the soils from the property remains the responsibility of the landowner. Due to the location of the repository and winter weather conditions, contaminated soils will only be accepted at the repository during the months of June through September.

The landowner will be responsible for the excavation and transportation costs for the soils. It may be more cost and time effective for several property owners to hire the same



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transport contractor and do the removals during the same time frame, possible obtaining a discount for a larger volume of soil. The property owner will be responsible for communicating in writing to Kennecott, the final volume of contaminated soil placed in the repository from their property.

In order to expedite Kennecott's acceptance of the soils, transport contractors must be approved Kennecott contractors for safety reasons. During transport of the soils, the contractors must (1) follow a specified transport route to the repository; (2) cover their loads to prevent spillage; (3) ensure there is no loose soil outside the truck that may spill on the roadway; (4) provide dust control on the access road to prevent additional environmental hazards; (5) follow all security and safety regulations on Kennecott property; (6) have all trucks properly placarded in compliance with the law; and (7) comply with all other requirements of the law. Additionally, no materials will be accepted at the repository that are not mining-related contaminated soils and that do not comply with the terms of the repository permit. For example, materials that will not be accepted include: soils contaminated with hydrocarbons (petroleum) or hazardous waste; batteries; debris; or other deleterious materials.

Kennecott may require you and/or your contractors to enter into necessary agreements to ensure that all requirements are properly met. These agreements may also include a mutual release of liability. Forms of these agreements and releases may be obtained from Kennecott for your information and review.

The offers in this letter expire on October 1, 2007.

If you wish to take advantage of either of these offers, please contact Eva Hoffman of EPA at 303-312-6764.

Sincerely,



Eva J. Hoffman, Ph.D.
Lead Remedial Project Manager
Kennecott Sites

cc: City of Herriman
Utah Department of Environmental Quality
Kennecott Utah Copper